

AMENDMENTS TO THE CLAIMS

1. - 9. (Cancelled)

10. (Currently amended) A method for diagnosing Alzheimer's disease, comprising:

obtaining a sample of brain tissue taken from a subject,

determining quantitatively the amount of co-localization of the peptide according to claim 20 with amyloid precursor protein (APP) present in said sample,

wherein Alzheimer's disease is indicated when the co-localization amount of said peptide is greater than the amount of said peptide present is detected as compared to the absence of said co-localization in a control non-Alzheimer's disease sample.

11-19. (Canceled)

20. (Previously Presented) An isolated peptide consisting of the amino acid sequence selected from the group consisting of SEQ ID NOS: 4 to 12 and 14 to 17.